

Statement of Basis of the Federal Operating Permit

ExxonMobil Oil Corporation

Site Name: ExxonMobil Beaumont Polyethylene Plant

Area Name: Beaumont Polyethylene Plant (BPEP)

Physical Location: 11440 Highway 90

Nearest City: Beaumont

County: Jefferson

Permit Number: O2277

Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 325211

NAICS Name: Plastics Material and Resin Manufacturing

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

- A description of the facility/area process description;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for periodic monitoring methods selected;
- The rationale for compliance assurance methods selected;
- A compliance status; and
- A list of available unit attribute forms.

Prepared on: December 3, 2021

Operating Permit Basis of Determination

Permit Area Process Description

- The following summarizes the major sections of the Beaumont Polyethylene (PE) Plant – High Pressure unit:

Compression

Underground pipelines supply fresh ethylene to the PE plant. Fresh ethylene and purified recovered ethylene are introduced to the process in the primary compressor along with air initiator and modifiers. The primary compressor discharges the ethylene to the hyper compressor for further compression. The leak gas from both the primary and hyper compressors route to either the suction of the primary compressor, or the flare, or is vented to the atmosphere through gooseneck vents.

Reaction

Ethylene from the hyper compressor and peroxide initiators feed to a tubular reactor. A sophisticated emergency relief system senses operating conditions at a large number of points in the compression and reaction sections. These sections relieve through an emergency valve to an atmospheric vent stack.

Separation

The PE product and unreacted ethylene from the reactor cool and separate in high pressure and low-pressure product separators. The unreacted ethylene from the high-pressure product separator is cooled, separated from waxes, and returned to the hyper compressor. The polymer from the high-pressure product separator goes to the low-pressure product separator, which essentially removes all the remaining unreacted ethylene. The unreacted ethylene from the low-pressure product separator is cooled, separated from waxes, and returned to the primary compressor. Waxes removed from the unreacted ethylene streams sell as an alternate product or are disposed of as a solid waste.

Extrusion

The molten polymer from the low-pressure product separator and additives feed to an extruder. The polymer pelletizes in an underwater pelletizer immediately following the extruder, and a centrifugal dryer separates the pellets from the circulating water stream. The moist air is separated from the pellets and vents to the atmosphere through a blower.

Pellet Handling

The dried pellets from the extrusion area are pneumatically conveyed to blending silos in the pellet handling area. Air purges in the blending silos to remove any remaining traces of ethylene and reduce the explosion hazard. The purge air collects in central headers and discharges to the atmosphere through common cyclone separators. Finished product loading is also conducted in this area. Pellets are conveyed pneumatically from the storage/blending silos to railroad hopper cars for shipment. All conveying air from these systems is discharged to the atmosphere through various cyclone separators to minimize particulate emissions.

Purification/Recycle of Ethylene

A portion of the high pressure recycle system from each line is withdrawn and sent to an ethylene purification area. The ethylene is reduced in pressure and passed through molecular sieves where water is removed. A fired tube heater is used to provide hot gases for regeneration of the molecular sieve beds. The ethylene is sent to a splitter column, which removes the heavy ends. The column bottoms are separated in a reboiler. From the reboiler, the light ends are returned to the splitter and the heavy ends are sent off site. The reboiler knockout drum light ends are returned to the fuel gas system and the heavy ends are recycled. The overheads from the splitter column are condensed and sent to a demethanizer column for removal of the light ends from the process. These light ends from the demethanizer column are sent to the flare or added to the fuel gas system. The ethylene heavy ends are recovered. The recovered ethylene is then returned to the process with the fresh ethylene feed. All emissions from this unit will be routed to the flare system for smokeless flaring under normal operation.

- The following summarizes the major sections of the Beaumont Polyethylene (PE) Plant – High Pressure unit:

Raw Materials (Storage, Processing, and Preparation) and Catalyst Preparation

Fresh ethylene feed is received via pipeline and is purified on-site. Comonomer is received in trucks or railcars, purified, and transferred to storage tanks. During regeneration of the purification beds, regeneration gas (other than air) is vented to the flare. Any venting during comonomer unloading is sent to the flare. Different catalyst preparation methods are used

to produce a variety of catalyst grades on-site and the catalyst may be activated on-site. During activation, the dehydrator vent is passed through a filter and a water scrubber and sent to the flare or atmosphere. Wastewater sludge from the scrubber is collected and transported off-site. The catalyst is transferred to storage after activation. Finished catalyst from the catalyst storage vessels is transferred to catalyst feeders for use in the LP production process. Off-specification catalyst from the catalyst preparation area is sent to waste storage for disposal.

Reaction

Fresh and recycled ethylene, comonomers and other reactants, catalyst and sometimes seed resin are fed into the gas-phase fluidized bed reactors. Unreacted gas is compressed and recycled to the reactor. Seal leakage from the compressor is collected and sent to a separator. The separator vents to the flare and the oil is disposed. A resin/gas mixture is withdrawn from the reactors and is routed to the product discharge system where gas is separated and returned to the reactors. Resin is transferred to the product purge vessels. Nitrogen is blown through the purge vessels to remove residual hydrocarbons from the resin. The purge gas is sent to comonomer recovery, and/or the flare. In the recovery units, recovered liquids are recycled back to the reactors, and non-condensables are sent to the flare or partially recovered by adsorption.

Product Finishing

Product finishing consists of:

- The purging of resin to remove residual hydrocarbons (as discussed above).
- The conveying of purged resin through particle screeners to booster stations and silos.
- The unloading of compounding additives from hopper cars, sacks or drums into silos or feed hoppers.
- The extrusion, pelletizing, and drying of the finished product.

Additives and resin are transferred into in-line blenders in the compounding area where the additive/resin mixture is extruded, pelletized underwater, separated via dewatering box/spin dryer, and conveyed to product silos. The additive/resin mixture can also be sent directly to the product silos for sale as a granular product. The conveying air/nitrogen used in product finishing is vented to the atmosphere through filters.

Product Storage

Pellets are conveyed from the product silos to the prefill bins, and gravity fed into railcars. The particulate emissions from loading of railcars are controlled by dust collecting filters. The conveying air is vented to the atmosphere through filters or cyclone separators.

Material Recovery

The Material Recovery Process section includes the equipment that recovers unreacted or by-product materials from any process section for return to the process line, off-site purification or treatment, or sale. There are no uncontrolled VOC vents to the atmosphere in this process section at the Low-Pressure Plant.

Process Vents

Several atmospheric process vents are located throughout the process at the Low-Pressure Plant.

Utilities

Three boilers supply steam to the Low-Pressure polyethylene process where necessary. The combustion devices included in this application are not used as control devices. A cooling tower (F-701) supplies cooling water to the process. One flare (721) is air assisted, and the LRGO flare (858) is a pressure assisted flare.

Miscellaneous and Maintenance

Solvents are used at the plant for maintenance/degreasing purposes. There are two degreasers and the Low-Pressure plant. One SRIC Engine is used as an emergency diesel generator and it is operated less than 850 hours per year.

FOPs at Site

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: O1243

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, NO _x , HAPs, CO
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Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
 - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
 - Additional Monitoring Requirements
 - New Source Review Authorization Requirements
 - Compliance Requirements
 - Protection of Stratosphere Ozone
 - Permit Location
 - Permit Shield (30 TAC § 122.148)
- Attachments
 - Applicable Requirements Summary
 - Unit Summary
 - Applicable Requirements Summary
 - Additional Monitoring Requirements
 - Permit Shield
 - New Source Review Authorization References
 - Compliance Plan
 - Alternative Requirements
- Appendix A
 - Acronym list
- Appendix B
 - Copies of major NSR authorizations

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on an OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the "index number," detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table is based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CSAPR (Cross-State Air Pollution Rule)	No
Federal Implementation Plan for Regional Haze (Texas SO ₂ Trading Program)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Insignificant Activities and Emission Units

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

De Minimis Sources

1. Sources identified in the "De Minimis Facilities or Sources" list maintained by TCEQ. The list is available at https://www.tceq.texas.gov/permitting/air/newsourcereview/de_minimis.html.

Miscellaneous Sources

2. Office activities such as photocopying, blueprint copying, and photographic processes.
3. Outdoor barbecue pits, campfires, and fireplaces.
4. Storage and handling of sealed portable containers, cylinders, or sealed drums.

5. Vehicle exhaust from maintenance or repair shops.
6. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
7. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
8. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
9. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
10. Well cellars.
11. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
12. Equipment used exclusively for the melting or application of wax.
13. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
14. Battery recharging areas.

Sources Authorized by 30 TAC Chapter 106, Permits by Rule

15. Sources authorized by §106.102: Combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil.
16. Sources authorized by §106.122: Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
17. Sources authorized by §106.141: Batch mixers with rated capacity of 27 cubic feet or less for mixing cement, sand, aggregate, lime, gypsum, additives, and/or water to produce concrete, grout, stucco, mortar, or other similar products.
18. Sources authorized by §106.143: Wet sand and gravel production facilities that obtain material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and have a production rate of 500 tons per hour or less.
19. Sources authorized by §106.148: Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations.
20. Sources authorized by §106.149: Sand and gravel production facilities that obtain material from deposits of sand and gravel consisting of natural disintegration of rock and stone, provided that crushing or breaking operations are not used and no blasting is conducted to obtain the material.
21. Sources authorized by §106.161: Animal feeding operations which confine animals in numbers specified and any associated on-site feed handling and/or feed millings operations, not including caged laying and caged pullet operations.
22. Sources authorized by §106.162: Livestock auction sales facilities.
23. Sources authorized by §106.163: All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities, other than incineration units.
24. Sources authorized by §106.229: Equipment used exclusively for the dyeing or stripping of textiles.
25. Sources authorized by §106.241: Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration.
26. Sources authorized by §106.242: Equipment used in eating establishments for the purpose of preparing food for human consumption.
27. Sources authorized by §106.243: Smokehouses in which the maximum horizontal inside cross-sectional area does not exceed 100 square feet.

28. Sources authorized by §106.244: Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption.
29. Sources authorized by §106.266: Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes.
30. Sources authorized by §106.301: Aqueous fertilizer storage tanks.
31. Sources authorized by §106.313: All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
32. Sources authorized by §106.316: Equipment used for inspection of metal products.
33. Sources authorized by §106.317: Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
34. Sources authorized by §106.318: Die casting machines.
35. Sources authorized by §106.319: Foundry sand mold forming equipment to which no heat is applied.
36. Sources authorized by §106.331: Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets.
37. Sources authorized by §106.333: Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives.
38. Sources authorized by §106.372: Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
39. Sources authorized by §106.391: Presses used for the curing of rubber products and plastic products.
40. Sources authorized by §106.394: Equipment used for compression molding and injection molding of plastics.
41. Sources authorized by §106.414: Equipment used exclusively for the packaging of lubricants or greases.
42. Sources authorized by §106.415: Laundry dryers, extractors, and tumblers used for fabrics cleaned with water solutions of bleach or detergents.
43. Sources authorized by §106.431: Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form.
44. Sources authorized by §106.432: Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents.
45. Sources authorized by §106.451: Blast cleaning equipment using a suspension of abrasives in water.
46. Sources authorized by §106.453: Equipment used for washing or drying products fabricated from metal or glass, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
47. Sources authorized by §106.471: Equipment used exclusively to store or hold dry natural gas.
48. Sources authorized by §106.531: Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and

reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
G-650	30 TAC Chapter 117, Subchapter B	T7300-002	Horsepower Rating = HP is less than 300	
G-650	40 CFR Part 60, Subpart IIII	60IIII-1	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Model Year = CI ICE was manufactured in model year 2008.</p> <p>Kilowatts = Power rating is greater than or equal to 8 KW and less than 19 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>	
G-650	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-002	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP less than 100 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	<p>-- Affected Pollutant - 112(B) HAPS:</p> <p><u>Related Standards</u> - § 63.6590(c)(7) was manually added to MACT ZZZZ as applied to Stationary RICE for clarity.</p>
GRPENGINE	30 TAC Chapter 117, Subchapter B	R7300-001	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Stationary diesel engine</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>	
GRPENGINE	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-001	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
HP-ENG-003	40 CFR Part 60, Subpart IIII	60IIII-2	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2014.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>	
HP-ENG-003	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-003	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	<p>-- Affected Pollutant - 112(B) HAPS:</p> <p><u>Related Standards</u> - § 63.6590(c)(7) was manually added to MACT ZZZZ as applied to Stationary RICE for clarity.</p>
HP-ENG-004	40 CFR Part 60, Subpart IIII	60IIII-2	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2014.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>	
HP-ENG-004	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-003	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	-- Affected Pollutant - 112(B) HAPS: <u>Related Standards</u> - § 63.6590(c)(7) was manually added to MACT ZZZZ as applied to Stationary RICE for clarity.
HP-ENG-006	40 CFR Part 60, Subpart IIII	60IIII-3	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>	
HP-ENG-006	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-004	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
M-4799	30 TAC Chapter 117, Subchapter B	R7300-001	Horsepower Rating = HP is greater than or equal to 300 RACT Date Placed in Service = On or before November 15, 1992 Type of Service = Stationary diesel engine Fuel Fired = Petroleum-based diesel fuel	
M-4799	40 CFR Part 60, Subpart IIII	60IIII-1	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is an emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005. Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder. Model Year = CI ICE was manufactured in model year 2007. Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW. Standards = The emergency CI ICE meets the standards applicable to non-emergency engines. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.	-- Affected Pollutant - CO: -- Affected Pollutant - NMHC-AND-NOX: -- Affected Pollutant - PM (OPACITY): -- Affected Pollutant - PM: <u>Related Standards</u> – [G]§ 60.4211(f) was ungrouped to remove non-applicable citations. Added Related Standards § 60.4211(f)(1), § 60.4211(f)(2), § 60.4211(f)(2)(i), § 60.4211(f)(3) which were applicable members of the ungrouped citation. <u>Recordkeeping</u> - § 60.4211(f)(1) was added to recordkeeping as implied. <u>Reporting</u> – [G]§ 60.4214(d) was removed since §60.4211(f) is not grouped.
M-4799	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-001	HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	-- Affected Pollutant - 112(B) HAPS: <u>Related Standards</u> - § 63.6590(c)(7) was manually added to MACT ZZZZ as applied to Stationary RICE for clarity.
07TOTES	30 TAC Chapter 115, Storage of VOCs	R5112-0006	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
612-101116	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-151115	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-151115	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
612-151116	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-151116	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
612-C22457	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
612-D4704	30 TAC Chapter 115, Storage of VOCs	R5112-0132	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4704	40 CFR Part 60, Subpart Ka	60Ka	Product Stored = Stored product other than a petroleum liquid	
612-D4718	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4718	40 CFR Part 60, Subpart Ka	60Ka-0001	Product Stored = Stored product other than a petroleum liquid	
612-D4723	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4723	40 CFR Part 60, Subpart Ka	60Ka-0001	Product Stored = Stored product other than a petroleum liquid	
612-D4725	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4725	40 CFR Part 60, Subpart Kb	60Kb-0007	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
612-D4749	30 TAC Chapter 115, Storage of VOCs	R5112-0132	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4749	40 CFR Part 60, Subpart Kb	60Kb-0081	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>	
612-D4752	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4752	40 CFR Part 60, Subpart Kb	60Kb-0008	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
612-D4754	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4754	40 CFR Part 60, Subpart Kb	60Kb-0008	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)</p>	
612-D4758	30 TAC Chapter 115, Storage of VOCs	R5112-0132	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D4758	40 CFR Part 60, Subpart Kb	60Kb-0081	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>	
612-D645	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is less than or equal to 1,000 gallons</p>	
612-D645	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Stored product other than a petroleum liquid</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
612-D646	30 TAC Chapter 115, Storage of VOCs	R5112-0132	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D646	40 CFR Part 60, Subpart K	60K-0008	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) and less than or equal to 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>	
612-D647-1	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-D647-1	40 CFR Part 60, Subpart Ka	60Ka	Product Stored = Stored product other than a petroleum liquid	
612-D647-2	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-D647-2	40 CFR Part 60, Subpart Ka	60Ka	Product Stored = Stored product other than a petroleum liquid	
612-D652	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D652	40 CFR Part 63, Subpart FFFF	63FFFF-2	<p>Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not being used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver was not requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>	
612-D670	30 TAC Chapter 115, Storage of VOCs	R5112-0097	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.</p>
612-D670	40 CFR Part 60, Subpart K	60K-0004	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p>	
612-D702	40 CFR Part 60, Subpart K	60K-0004	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p>	
612-D703	40 CFR Part 60, Subpart K	60K-0004	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p>	
612-D716	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Storage Capacity = Capacity is less than or equal to 1,000 gallons	
612-D716	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978 Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
612-D716A	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
612-D716A	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978 Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
612-F102	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia	
612-F102	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978 Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
612-F108	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia	
612-F108	40 CFR Part 60, Subpart Ka	60Ka	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
612-F109	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-F109	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p>	
612-F5959	30 TAC Chapter 115, Storage of VOCs	R5112-0006	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-F5959	40 CFR Part 60, Subpart Kb	60Kb-0008	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)</p>	
612-F670	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-F670	40 CFR Part 60, Subpart K	60K	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p>	
612-F676	30 TAC Chapter 115, Storage of VOCs	R5112-0010	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
612-F676	40 CFR Part 60, Subpart Kb	60Kb	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
612-F706	30 TAC Chapter 115, Storage of VOCs	R5112-0010	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia	
612-F706	40 CFR Part 60, Subpart Ka	60Ka	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
612-F710	30 TAC Chapter 115, Storage of VOCs	R5112-0010	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia	
612-F710	40 CFR Part 60, Subpart Ka	60Ka	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
612-F714	30 TAC Chapter 115, Storage of VOCs	R5112-0097	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Flare	-- Affected Pollutant - VOC: <u>Recordkeeping</u> – §115.118(a)(4) and §115.118(a)(4)(F) for 30 TAC Chapter 115, Storage of VOCs were manually added to the permit, as they directly relate to 115.115(a)(6), which are already included for the flares.
612-F714	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p>	
612-F714	30 TAC Chapter 115, Storage of VOCs	R5112-2	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
612-F714	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)</p>	
612-F801	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
863	30 TAC Chapter 115, Storage of VOCs	R5112-0019	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Reporting</u> – Added citation § 115.118(a)(3) for correction. It was inadvertently provided as §115.115(a)(23) in the application, but §115.118(a)(3) is correct.</p>
863	40 CFR Part 60, Subpart Kb	60Kb-0068	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using two seals mounted one above the other to form a continuous closure</p>	
F-7001	30 TAC Chapter 115, Storage of VOCs	R5112-0006	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
F-7001	40 CFR Part 60, Subpart Kb	60Kb-0007	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
GRPHPTANK1	30 TAC Chapter 115, Storage of VOCs	R5112-0003	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is less than or equal to 1,000 gallons</p>	
GRPHPTANK1	40 CFR Part 60, Subpart Kb	60Kb-0007	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
GRPLPTANK1	30 TAC Chapter 115, Storage of VOCs	R5112-0006	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
GRPLPTANK1	40 CFR Part 60, Subpart Kb	60Kb-0007	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
GRPLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-001	<p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Loading greater than or equal to 20,000 gallons per day.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a flare; or a vapor combustor considered to be a flare</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	
GRPUNLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-002	<p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Loading greater than or equal to 20,000 gallons per day.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = No control device.</p> <p>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p>	
RAIL-LOAD1	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-003	<p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Loading greater than or equal to 20,000 gallons per day.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a flare; or a vapor combustor considered to be a flare</p> <p>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p>	
502	30 TAC Chapter 117, Subchapter B	R7300-2000	<p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is less than 40 MMBtu/hr</p>	
B500	30 TAC Chapter 117, Subchapter B	R7100-2000	<p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is less than 40 MMBtu/hr</p>	
B500	40 CFR Part 63, Subpart DDDDD	63DDDDD-1	Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or less than 5 MMBtu/hr	
07BLR_001	40 CFR Part 60, Subpart Dc	60Dc-1	<p>Construction/Modification Date = After February 28, 2005.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>Applicability = Unit is not subject to other 40 CFR Part 60 subparts</p> <p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>D-Series Fuel Type = Natural gas.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p> <p>PM Monitoring Type = No particulate monitoring because there is no applicable PM emission limit</p> <p>SO2 Inlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit</p> <p>SO2 Outlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit</p> <p>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions</p>	<p>-- Affected Pollutant - SO₂:</p> <p>-- Affected Pollutant - PM:</p> <p>-- Affected Pollutant - PM (Opacity):</p> <p><u>Reporting</u> – Ungrouped citation §60.48c(a) to remove §60.48c(a)(2) which is not applicable since there is no federally enforceable limit established that limits the annual capacity for this unit.</p> <p><u>Recordkeeping</u> – Deleted citation §60.48c(g)(3) as this alternative is not utilized.</p>
07BLR_001	40 CFR Part 63, Subpart DDDDD	63DDDDD-1	<p>Commence = Source is new (commenced construction after June 4, 2010)</p> <p>Table Applicability = The unit is designed to utilize a continuous oxygen trim system</p>	
07BLR_002	40 CFR Part 60, Subpart Dc	60Dc-1	<p>Construction/Modification Date = After February 28, 2005.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>Applicability = Unit is not subject to other 40 CFR Part 60 subparts</p> <p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>D-Series Fuel Type = Natural gas.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p> <p>PM Monitoring Type = No particulate monitoring because there is no applicable PM emission limit</p>	<p>-- Affected Pollutant - SO₂:</p> <p>-- Affected Pollutant - PM:</p> <p>-- Affected Pollutant - PM (Opacity):</p> <p><u>Reporting</u> – Ungrouped citation §60.48c(a) to remove §60.48c(a)(2) which is not applicable since there is no federally enforceable limit established that limits the annual capacity for this unit.</p> <p><u>Recordkeeping</u> – Deleted citation §60.48c(g)(3) as this alternative is not utilized.</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			SO2 Inlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit SO2 Outlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions	
07BLR_002	40 CFR Part 63, Subpart DDDDD	63DDDDD-1	Commence = Source is new (commenced construction after June 4, 2010) Table Applicability = The unit is designed to utilize a continuous oxygen trim system	
B-4901	30 TAC Chapter 117, Subchapter B	R7100-2000	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is less than 40 MMBtu/hr.	
B-4901	40 CFR Part 60, Subpart D	60D	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
B-4901	40 CFR Part 60, Subpart Db	60Db	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997. Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW). Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.	
B-4901	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005. Maximum Design Heat Input Capacity = Maximum design heat input capacity is less than 10 MMBtu/hr (2.9 MW).	
B-4901	40 CFR Part 63, Subpart DDDDD	63DDDDD-1	Commence = Source is e721xisting (commenced construction or reconstruction on or before June 4, 2010) Table Applicability = The unit is designed to utilize a continuous oxygen trim system	
B-4902	30 TAC Chapter 117, Subchapter B	R7100-2000	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is less than 40 MMBtu/hr.	
B-4902	40 CFR Part 60, Subpart D	60D	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
B-4902	40 CFR Part 60, Subpart Db	60Db	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997. Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW). Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.	
B-4902	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = On or before June 9, 1989.	
B-4902	40 CFR Part 63, Subpart DDDDD	63DDDDD-2	Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010) Table Applicability = The unit is designed to utilize a continuous oxygen trim system	
B-4903	30 TAC Chapter 117, Subchapter B	R7100-2000	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is less than 40 MMBtu/hr.	
B-4903	40 CFR Part 60, Subpart D	60D	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
B-4903	40 CFR Part 60, Subpart Db	60Db	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997. Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW). Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.	
B-4903	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005. Maximum Design Heat Input Capacity = Maximum design heat input capacity is less than 10 MMBtu/hr (2.9 MW).	
B-4903	40 CFR Part 63, Subpart DDDDD	63DDDDD-3	Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010) Table Applicability = The unit is designed to utilize a continuous oxygen trim system	
GRP-BOILER	30 TAC Chapter 117, Subchapter B	R7100-2000	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is less than 40 MMBtu/hr.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRP-BOILER	40 CFR Part 60, Subpart D	60D	Construction/Modification Date = After September 18, 1978. Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK. Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit. Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
GRP-BOILER	40 CFR Part 60, Subpart Db	60Db	Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986. Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).	
GRP-BOILER	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = On or before June 9, 1989.	
GRP-BOILER	40 CFR Part 63, Subpart DDDDD	63DDDDD-2	Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010) Table Applicability = The unit is designed to utilize a continuous oxygen trim system	
07FLR_001	30 TAC Chapter 111, Visible Emissions	R1111-001	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	-- Affected Pollutant - Opacity: <u>Monitoring/Testing</u> – Citation §111.111(a)(4)(A)(ii) was manually added to provide clarification under § 111.111(a)(4)(A). These citations require monitoring of control device parameters (flare in this case) in support of 115.115(a)(6), which is applicable.
07FLR_001	40 CFR Part 60, Subpart A	60A-001	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Air-assisted	
07FLR_001	40 CFR Part 63, Subpart A	63A-001	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Air assisted	
07FLR_002	30 TAC Chapter 111, Visible Emissions	R1111-001	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	-- Affected Pollutant - Opacity: <u>Monitoring/Testing</u> – Citation §111.111(a)(4)(A)(ii) was manually added to provide clarification under § 111.111(a)(4)(A). These citations require monitoring of control device parameters (flare in this case) in support of 115.115(a)(6), which is applicable.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
07FLR_002	40 CFR Part 60, Subpart A	60A-002	<p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Non-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p>	
07FLR_002	40 CFR Part 60, Subpart A	60A-003	<p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Non-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p>	
07FLR_002	40 CFR Part 63, Subpart A	63A-002	<p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Non-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p>	
07FLR_002	40 CFR Part 63, Subpart A	63A-003	<p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Non-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p>	
701	30 TAC Chapter 111, Visible Emissions	R1111-001	<p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
701	40 CFR Part 63, Subpart A	63A-001	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Air assisted	
701	40 CFR Part 63, Subpart FFFF	63FFFF-1	Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii.	The rule citations were determined from an analysis of the rule text and the basis of determination.
721	30 TAC Chapter 111, Visible Emissions	R1111-001	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	
721	40 CFR Part 60, Subpart A	60A-001	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5). Flare Assist Type = Air-assisted	
721	40 CFR Part 63, Subpart A	63A-001	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Air assisted	
721	40 CFR Part 63, Subpart FFFF	63FFFF-1	Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii.	The rule citations were determined from an analysis of the rule text and the basis of determination.
858	30 TAC Chapter 111, Visible Emissions	R1111-001	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	
858	40 CFR Part 63, Subpart A	63A-002	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Non-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
858	40 CFR 63, Subpart FFFF	63FFFF-1	Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii.	The rule citations were determined from an analysis of the rule text and the basis of determination.
HPFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-1	<p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.</p> <p>Reciprocating Compressors or Positive Displacement Pumps = The fugitive unit has reciprocating compressors or positive displacement pumps used in natural gas/gasoline processing operations.</p> <p>Rupture Disks = The fugitive unit has pressure relief valves equipped with rupture disks.</p> <p>Instrumentation Systems = The fugitive unit has instrumentation systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.</p> <p>Sampling Connection Systems = The fugitive unit has sampling connection systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.</p> <p>TVP 0.002 PSIA or Less = The fugitive unit has components or systems that contact a process fluid containing VOC having a true vapor pressure less than or equal to 0.002 psia at 68 degrees Fahrenheit.</p> <p>Process Drains = The fugitive unit has process drains.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for process drains or no alternate has been requested.</p> <p>Complying with 30 TAC § 115.352(1) = Process drains are complying with the requirements in 30 TAC § 115.352(1).</p> <p>TVP of Process Fluid VOC <= 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for pressure relief valves or no alternate has been requested.</p> <p>Complying with § 115.352(1) = Pressure relief valves are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC <= 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP of less than or equal to 0.044 psia at 68° F.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>TVP of Process Fluid VOC > 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP > 0.044 psia at 68° F.</p> <p>Open-ended Valves = The fugitive unit contains open-ended valves.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for open-ended valves or no alternate has been requested.</p> <p>Complying with § 115.352(1) = Open-ended valves and lines are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Open-ended valves or lines contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Open-ended valves contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.</p> <p>Valves (other than pressure relief and open-ended) = The fugitive unit contains valves other than pressure relief valves or open-ended valves or lines.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for valves or no alternate has been requested.</p> <p>Complying with § 115.352(1) = Valves are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC <= 0.044 psia at 68° F = Valves contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.</p> <p>TVP of Process Fluid VOC > 0.044 psia at 68° F = Valves contact a process fluid with a TVP greater than 0.044 psia at 68° F.</p> <p>Flanges = The fugitive unit contains flanges.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for flanges or no alternate has been requested.</p> <p>Complying with 30 TAC § 115.352(1) = Flanges are complying with the requirements in 30 TAC § 115.352(1).</p> <p>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Flanges contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Flanges contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.</p> <p>Agitators = The fugitive unit contains agitators.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for agitators or no alternate has been requested.</p> <p>Complying Wlth § 115.352(1) = Agitators are complying with § 115.352(1).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>TVP of Process Fluid VOC <= 0.044 psia at 68° F = No agitators contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.</p> <p>TVP of Process Fluid VOC > 0.044 psia at 68° F = Agitators contact a process fluid with a TVP greater than 0.044 psia at 68° F.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for compressor seals or no alternate has been requested.</p> <p>50% by Volume = Compressors are not in hydrogen service or are in hydrogen service and the hydrogen content cannot be reasonably expected to always exceed 50% by volume.</p> <p>Shaft Seal System = Compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.</p> <p>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Compressor seals do not contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>Complying with § 115.352(1) = Compressor seals are complying with the requirements in 30 TAC § 115.352(1).</p> <p>Pump Seals = The fugitive unit contains pump seals.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for pump seals or no alternate has been requested.</p> <p>Shaft Seal System = Pump seals are equipped with a shaft seal system that prevents or detects emission of VOC from the seal.</p> <p>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Pump seals contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>Complying with 30 TAC § 115.352(1) = Pump seals are complying with the requirements in 30 TAC § 115.352(1).</p> <p>Components Utilizing Alternative Work Practice in § 115.358 = No components in the fugitive unit are using the alternative work practice under § 115.358.</p>	
HPFUG	40 CFR Part 63, Subpart FFFF	63FFFF-3	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
LPFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-1	<p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>For process drains with VOC TVP <= 0.044 psia:</u></p> <p><u>Related Standard</u> - § 115.352(10) was removed because this citation is for HRVOCs, which is not applicable to Beaumont/Port Arthur area.</p> <p><u>Monitoring/Testing</u> - §115.354(1)(A) was added as applicable requirement for process drains.</p> <p><u>Recordkeeping</u> – Deleted grouped citation</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Reciprocating Compressors Or Positive Displacement Pumps = The fugitive unit has reciprocating compressors or positive displacement pumps used in natural gas/gasoline processing operations.</p> <p>Rupture Disks = The fugitive unit has pressure relief valves equipped with rupture disks.</p> <p>Instrumentation Systems = The fugitive unit has instrumentation systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.</p> <p>Sampling Connection Systems = The fugitive unit has sampling connection systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.</p> <p>TVP 0.002 PSIA or Less = The fugitive unit has components or systems that contact a process fluid containing VOC having a true vapor pressure less than or equal to 0.002 psia at 68 degrees Fahrenheit.</p> <p>Process Drains = The fugitive unit has process drains.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for process drains or no alternate has been requested.</p> <p>Complying with 30 TAC § 115.352(1) = Process drains are complying with the requirements in 30 TAC § 115.352(1).</p> <p>TVP of Process Fluid VOC ≤ 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for pressure relief valves or no alternate has been requested.</p> <p>Complying with § 115.352(1) = Pressure relief valves are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC ≤ 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP of less than or equal to 0.044 psia at 68° F.</p> <p>TVP of Process Fluid VOC > 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP > 0.044 psia at 68° F.</p> <p>Open-ended Valves = The fugitive unit contains open-ended valves.</p> <p>Complying with § 115.352(1) = Open-ended valves and lines are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC ≤ 0.044 PSIA AT 68° F = Open-ended valves or lines contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Open-ended valves contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.</p> <p>Valves (other than pressure relief and open-ended) = The fugitive unit contains valves other than pressure relief valves or open-ended valves or lines.</p>	<p>[G]§115.356(2), and added ungrouped citations §115.356(2), §115.356(2)(A), §115.356(2)(B), [G]§115.356(2)(E), and §115.356(2)(F).</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), §115.356(3)(B) and [G]§ 115.356(3)(C) instead.</p> <p><u>For process drains with VOC TVP < 0.044 psia:</u></p> <p><u>Related Standard</u> - § 115.352(10) was removed because this citation is for HRVOCs, which is not applicable to Beaumont/Port Arthur area.</p> <p><u>Monitoring/Testing</u> – Grouped citation [G]§ 115.354(1) was added.</p> <p><u>For pressure relief valves with VOC TVP ≤ 0.044</u></p> <p><u>Related Standard</u> – Deleted §115.352(10) for HRVOCs. This not applicable to Beaumont/Port Arthur Area.</p> <p><u>Monitoring/Testing</u> - [G]§ 115.354(7) was deleted because this applies only to pressure relief valves in gaseous service.</p> <p><u>Recordkeeping</u> – Deleted grouped citation [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), § 115.356(2)(C), [G]§ 115.356(2)(E), and § 115.356(2)(F).</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.</p> <p><u>Reporting</u> – [G]§ 115.354(7) was deleted because this applies only to pressure relief valves in gaseous service.</p> <p><u>For pressure relief valves with VOC TVP > 0.044 psia:</u></p> <p><u>Related Standard</u> – Deleted § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area.</p> <p><u>Monitoring/Testing</u> – Deleted [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.</p> <p><u>Monitoring/Testing</u> - Added § 115.354(1)(B), § 115.354(1)(C), § 115.354(2)(D)</p> <p><u>Recordkeeping</u> – Added grouped [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.</p> <p><u>Reporting</u> – Deleted [G]§ 115.354(7) because as this applies only to pressure relief valves in</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for valves or no alternate has been requested.</p> <p>Complying with § 115.352(1) = Valves are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC ≤ 0.044 psia at 68° F = Valves contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.</p> <p>TVP of Process Fluid VOC > 0.044 psia at 68° F = Valves contact a process fluid with a TVP greater than 0.044 psia at 68° F.</p> <p>Flanges = The fugitive unit contains flanges.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for flanges or no alternate has been requested.</p> <p>Complying with 30 TAC § 115.352(1) = Flanges are complying with the requirements in 30 TAC § 115.352(1).</p> <p>TVP of Process Fluid VOC ≤ 0.044 PSIA AT 68° F = Flanges contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Flanges contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.</p> <p>Agitators = The fugitive unit contains agitators.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for agitators or no alternate has been requested.</p> <p>Complying With § 115.352(1) = Agitators are complying with § 115.352(1).</p> <p>TVP of Process Fluid VOC ≤ 0.044 psia at 68° F = No agitators contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.</p> <p>TVP of Process Fluid VOC > 0.044 psia at 68° F = Agitators contact a process fluid with a TVP greater than 0.044 psia at 68° F.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for compressor seals or no alternate has been requested.</p> <p>50% by Volume = Compressors are not in hydrogen service or are in hydrogen service and the hydrogen content cannot be reasonably expected to always exceed 50% by volume.</p> <p>Shaft Seal System = Compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.</p> <p>TVP of Process Fluid VOC ≤ 0.044 PSIA AT 68° F = Compressor seals do not contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p>	<p>gaseous service.</p> <p><u>For open-ended valves with VOC TVP ≤ 0.044 psia:</u></p> <p><u>Related Standard</u> – Deleted § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p><u>Monitoring/Testing</u> – Deleted § 115.354(2) and [G]§ 115.354(7) because) as this applies only to pressure relief valves in gaseous service.</p> <p>Added Monitoring/Testing § 115.354(1)(A), §115.354(1)(B)</p> <p><u>Recordkeeping</u> – Deleted grouped [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), § 115.356(2)(C), [G]§ 115.356(2)(E), and § 115.356(2)(F) instead.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.</p> <p><u>Reporting</u> – Deleted [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.</p> <p><u>For open-ended valves with VOC TVP > 0.044 psia:</u></p> <p><u>Related Standard</u> – Deleted § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p><u>Monitoring/Testing</u> – Added § 115.354(1)(A) and §115.354(1)(B).</p> <p>Deleted Monitoring/Testing [G]§ 115.354(7) and §115.354(2) because these apply only to pressure relief valves in gaseous service.</p> <p><u>Recordkeeping</u> – Added grouped [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.</p> <p><u>Reporting</u> - [G]§ 115.354(7) was deleted because this applies only to pressure relief valves in gaseous service.</p> <p><u>For valves with VOC TVP ≤ 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C), § 115.354(2)(C)</p> <p>Deleted Monitoring/Testing [G]§ 115.354(7) because this applies only to pressure relief</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Complying with § 115.352(1) = Compressor seals are complying with the requirements in 30 TAC § 115.352(1).</p> <p>Pump Seals = The fugitive unit contains pump seals.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for pump seals or no alternate has been requested.</p> <p>Shaft Seal System = Pump seals are equipped with a shaft seal system that prevents or detects emission of VOC from the seal.</p> <p>TVP of Process Fluid VOC ≤ 0.044 PSIA AT 68° F = Pump seals contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.</p> <p>Complying with 30 TAC § 115.352(1) = Pump seals are complying with the requirements in 30 TAC § 115.352(1).</p> <p>Components Utilizing Alternative Work Practice in § 115.358 = No components in the fugitive unit are using the alternative work practice under § 115.358.</p>	<p>valves in gaseous service.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.</p> <p>Deleted Reporting [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.</p> <p><u>For valves with VOC TVP > 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C) and § 115.354(2)(C).</p> <p>Deleted Monitoring/Testing [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.</p> <p>Deleted Reporting [G]§ 115.354(7) because this applies only to pressure relief valves in gaseous service.</p> <p><u>For flanges with VOC TVP ≤ 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B) and § 115.354(1)(C)</p> <p>Deleted Monitoring/Testing [G]§ 115.357(1) because facilities in Beaumont-Port Arthur Area are exempt from this rule.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), [G]§ 115.356(3)(C) instead.</p> <p><u>For flanges with VOC TVP > 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B) and § 115.354(1)(C)</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), [G]§ 115.356(3)(C) instead</p> <p><u>For agitators with VOC TVP > 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10)</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				<p>because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Deleted Related Standard and Monitoring/Testing §115.357(1) because facilities in Beaumont-Port Arthur Area are exempt from this rule.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B) and [G]§ 115.356(3)(C) instead.</p> <p><u>For compressor seals with shaft sealing system:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Deleted grouped Recordkeeping [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B) instead.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.</p> <p><u>For compressor seals with VOC TVP > 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C) and § 115.354(2)(A)</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and e § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), [G]§ 115.356(3)(C) instead.</p> <p><u>For pump seals with shaft sealing system:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Deleted grouped Recordkeeping [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), [G]§ 115.356(2)(E), § 115.356(2)(F) instead.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.</p> <p><u>For pump seals with VOC TVP < 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C) and § 115.354(2)(B).</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				<p>Deleted grouped Recordkeeping [G]§ 115.356(2) and added § 115.356(2), § 115.356(2)(A), § 115.356(2)(B), [G]§ 115.356(2)(E), § 115.356(2)(F) instead.</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3) and [G]§ 115.356(3)(C) instead.</p> <p><u>For pump seals with VOC TVP > 0.044 psia:</u></p> <p>Deleted Related Standard § 115.352(10) because this is for HRVOCs which is not applicable to Beaumont/Port Arthur area</p> <p>Added Monitoring/Testing § 115.354(1)(B), § 115.354(1)(C), § 115.354(2)(B)</p> <p>Added grouped Recordkeeping [G]§ 115.356(3) and deleted § 115.356(3), § 115.356(3)(A), § 115.356(3)(B), and [G]§ 115.356(3)(C) instead.</p>
LPFUG	40 CFR Part 60, Subpart DDD	60DDD-ALL	<p>SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.</p> <p>MANUFACTURED PRODUCT = Polypropylene or polyethylene</p> <p>CONTINUOUS PROCESS [NSPS DDD] = The affected facility process is a continuous process</p> <p>40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = After January 10, 1989</p> <p>VOC Service = None of the equipment comes into contact with a fluid containing < 10% by weight VOC.</p> <p>40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = Facility has a design capacity to produce greater than or equal to 1,000 Mg/yr</p> <p>EQUIPMENT IN VACUUM SERVICE = The fugitive unit contains equipment in vacuum service</p> <p>VOC SERVICE LESS THAN 300 HOURS = The owner or operator did not designate the equipment as being in VOC service less than 300 hours per year.</p> <p>PUMPS IN LIGHT LIQUID SERVICE [NSPS DDD] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-2 = YES</p> <p>PUMPS IN HEAVY LIQUID SERVICE [NSPS DDD] = PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-8 = YES</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS DDD] = FLANGES OR CONNECTORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--FLANGES AND OTHER CONNECTORS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-8 = YES</p> <p>COMPRESSORS (ANY SERVICE) [NSPS DDD] = COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--COMPRESSORS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-3 = YES</p> <p>PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE [NSPS DDD] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>COMPLYING WITH § 60.482-8 = YES</p> <p>SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS DDD] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-5 = YES</p> <p>VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS DDD] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>2.0% = The owner or operator is electing to comply with an allowable percentage of valves leaking of equal to or less than 2.0%.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-7 = YES</p> <p>VALVES IN HEAVY LIQUID SERVICE [NSPS DDD] = VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-8 = YES</p> <p>OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS DDD] = OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES OR LINES [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH § 60.482-6 = YES</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>CLOSED VENT SYSTEMS AND CONTROL DEVICES (ANY SERVICE) [NSPS DDD] = CLOSED VENT SYSTEM AND CONTROL DEVICES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)-[NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM = NOT USING A VAPOR RECOVERY SYSTEM FOR CONTROL</p> <p>ENCLOSED COMBUSTION DEV. = NOT USING AN ENCLOSED COMBUSTION DEVICE FOR CONTROL</p> <p>FLARE = USING A FLARE FOR CONTROL</p> <p>EEL = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>COMPLYING WITH §60.482-10 = YES</p>	
LPFUG	40 CFR Part 63, Subpart FFFF	63FFFF-1	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
07CTL_001	40 CFR Part 63, Subpart FFFF	63FFFF-6	Monitoring = The cooling water is being monitored for the presence of HAPs or other representative substances that would indicate a leak.	
07CTL_001	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	
F700	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	
F701	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	
F-711	30 TAC Chapter 115, Water Separation	R5137-001	<p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.</p>	
F-712	30 TAC Chapter 115, Water Separation	R5137-001	<p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
07CMNHP	30 TAC Chapter 115, Vent Gas Controls	R5121-10	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>	
07CMNLP	30 TAC Chapter 115, Vent Gas Controls	R5121-8	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>	
07CMNLP	30 TAC Chapter 115, Vent Gas Controls	R5121-9	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p>	
07CMNLP	40 CFR Part 63, Subpart FFFF	63FFFF-3	<p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet a ppmv standard per § 63.2455(a) - Table 1.1.a.i.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>CEMS = A CEMS is not used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.985(b)(2).</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Hal Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested.</p> <p>Formaldehyde = The stream does not contain formaldehyde.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>	
07CMNLP	40 CFR Part 63, Subpart FFFF	63FFFF-4	<p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>	
07VNT_001	30 TAC Chapter 115, Vent Gas Controls	R5121-11	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	
701V	30 TAC Chapter 115, Vent Gas Controls	R5121-8	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>	
721V	30 TAC Chapter 115, Vent Gas Controls	R5121-8	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>	
858V	30 TAC Chapter 115, Vent Gas Controls	R5121-8	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>	
AT360	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable, exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
AT361	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	
GRPDRUMVENT	40 CFR Part 63, Subpart FFFF	63FFFF-G1CPV	<p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>	
GRPEXLDPE	30 TAC Chapter 115, Vent Gas Controls	R5121-3	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.</p>	
GRPFINVNT	30 TAC Chapter 115, Vent Gas Controls	R5121-11	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	
GRPFINVNT	40 CFR Part 63, Subpart FFFF	63FFFF-5	<p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>	
GRPFTO	30 TAC Chapter 111, Visible Emissions	R1111-002	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>	
GRPLPVENT4	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Monitoring/Testing</u> – Ungrouped [G]§ 115.125 to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing.</p>
GRPLPVENT6	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Monitoring/Testing</u> – Ungrouped [G]§ 115.125 to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable, exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	
GRPLPVENT8	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Monitoring/Testing</u> – Ungrouped [G]§ 115.125 to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing.</p>
GRPLPVENT9	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable, and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Monitoring/Testing</u> – Ungrouped [G]§ 115.125 to remove non-applicable §115.125(3) since the vent stream is exempt from control requirements. Added §115.125(1), [G]§115.125(2), §115.125(4) and §115.125(5) as applicable for Monitoring/Testing.</p>
GRPSTORVNT	30 TAC Chapter 115, Vent Gas Controls	R5121-11	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Vent Type = Vent gas stream emissions of ethylene associated with the formation, handling, and storage of solidified low-density polyethylene in which no more than 1.1 pounds of ethylene per 1,000 pounds of product are emitted.</p> <p>VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>	
LINE 45	40 CFR Part 63, Subpart FFFF	63FFFF-G1CPV	<p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>	<p><u>Related Standard</u> - §63.11(b) was removed as this is already referenced in MACTSS §63.987(a).</p> <p>§63.2450(b) was deleted as there are no halogenated compounds at the site.</p> <p>§63.2470(c)(2) and §63.2450(e)(2) were added as applicable to closed vent systems.</p> <p><u>Monitoring/Testing</u> – [G]§ 63.115(d)(2)(v) and §63.115(d)(3)(iii) were deleted as there are no halogenated compounds at the site.</p> <p>§63.997(c)(3)(ii) was removed because flare was not used to replace an existing final recovery device.</p> <p><u>Recordkeeping</u> – [G]§63.998(b)(5) was removed because applicant is not using alternative recordkeeping.</p> <p>§63.998(d)(5) was removed because this citation is not applicable to streams controlled in a flare. There are no monitored parameter ranges for flares.</p> <p><u>Reporting</u> – §63.2450(q) was removed because stream does not contain energetics or organic peroxides.</p> <p>§63.999(c)(6), §63.999(c)(6)(i), §63.999(c)(6)(iv) were removed because these citations are applicable to process vents and not closed vent systems.</p> <p>[G]§63.999(d)(1) and [G]§63.999(d)(2) were remove because applicant will not be requesting alternative monitoring.</p> <p>All other citations were removed from unit LINE 45 because they are flare citations and were added to the flare instead.</p>
LINE 60	40 CFR Part 63, Subpart FFFF	63FFFF-G1CPV	<p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p>	<p><u>Related Standard</u> - §63.11(b) was removed as this is already referenced in MACTSS §63.987(a).</p> <p>§63.2450(b) was deleted as there are no halogenated compounds at the site.</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>	<p>§63.2470(c)(2) and §63.2450(e)(2) were added as applicable to closed vent systems.</p> <p><u>Monitoring/Testing</u> – [G]§ 63.115(d)(2)(v) and §63.115(d)(3)(iii) were deleted as there are no halogenated compounds at the site.</p> <p>§63.997(c)(3)(ii) was removed because flare was not used to replace an existing final recovery device.</p> <p><u>Recordkeeping</u> – [G]§63.998(b)(5) was removed because applicant is not using alternative recordkeeping.</p> <p>§63.998(d)(5) was removed because this citation is not applicable to streams controlled in a flare. There are no monitored parameter ranges for flares.</p> <p><u>Reporting</u> – §63.2450(q) was removed because stream does not contain energetics or peroxides.</p> <p>§63.999(c)(6), §63.999(c)(6)(i), §63.999(c)(6)(iv) were removed because these citations are applicable to process vents and not closed vent systems.</p> <p>[G]§63.999(d)(1) and [G]§63.999(d)(2) were remove because applicant will not be requesting alternative monitoring.</p> <p>All other citations were removed from unit LINE 60 because they are flare citations and were added to the flare instead.</p>
LINE44	40 CFR Part 63, Subpart FFFF	63FFFF-G1CPV	<p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>	<p><u>Related Standard</u> - §63.11(b) was removed as this is already referenced in MACTSS §63.987(a).</p> <p>§63.2450(b) was deleted as there are no halogenated compounds at the site.</p> <p>§63.2470(c)(2) and §63.2450(e)(2) were added as applicable to closed vent systems.</p> <p><u>Monitoring/Testing</u> – [G]§ 63.115(d)(2)(v) and §63.115(d)(3)(iii) were deleted as there are no halogenated compounds at the site.</p> <p>§63.997(c)(3)(ii) was removed because flare was not used to replace an existing final recovery device.</p> <p><u>Recordkeeping</u> – [G]§63.998(b)(5) was removed because applicant is not using alternative recordkeeping.</p> <p>§63.998(d)(5) was removed because this citation is not applicable to streams controlled in a flare.</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				<p>There are no monitored parameter ranges for flares.</p> <p><u>Reporting</u> – §63.2450(q) was removed because stream does not contain energetics or peroxides.</p> <p>§63.999(c)(6), §63.999(c)(6)(i), §63.999(c)(6)(iv) were removed because these citations are applicable to process vents and not closed vent systems.</p> <p>[G]§63.999(d)(1) and [G]§63.999(d)(2) were remove because applicant will not be requesting alternative monitoring.</p> <p>All other citations were removed from unit LINE44 because they are flare citations and were added to the flare instead.</p>
DEGR4	30 TAC Chapter 115, Degreasing Processes	R5412-001	<p>Solvent Degreasing Machine Type = Cold solvent cleaning machine.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> <p>Solvent Sprayed = No solvent is sprayed.</p> <p>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.</p> <p>Solvent Heated = The solvent is heated to a temperature greater than 120 degrees Fahrenheit.</p> <p>Parts Larger than Drainage = Cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.</p> <p>Drainage Area = Area is less than 16 square inches.</p> <p>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Related Standard</u> – Citation §115.411(2)(A) was added to provide clarification on the type of degreaser for exemption under §115.411(2).</p>
DEGR5	30 TAC Chapter 115, Degreasing Processes	R5412-002	<p>Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> <p>Solvent Sprayed = No solvent is sprayed.</p> <p>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.</p> <p>Parts Larger than Drainage = Cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.</p> <p>Drainage Area = Area is less than 16 square inches.</p> <p>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
DEGR6	30 TAC Chapter 115, Degreasing Processes	R5412-003	<p>Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> <p>Solvent Sprayed = A solvent is sprayed.</p> <p>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.</p> <p>Solvent Heated = The solvent is heated to a temperature greater than 120 degrees Fahrenheit.</p> <p>Parts Larger than Drainage = Cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.</p> <p>Drainage Area = Area is greater than or equal to 16 square inches.</p> <p>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.</p>	<p>-- Affected Pollutant - VOC:</p> <p><u>Related Standard</u> – Citation §115.411(2)(B) was added to provide clarification on the type of degreaser for exemption under §115.411(2).</p>
M5PAINT	30 TAC Chapter 115, Surface Coating Operations	115E-01	<p>Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director under 30 TAC § 115.423(2), § 115.423(3)(A) or § 115.423(4).</p> <p>Facility Operations = Other miscellaneous metal parts and products coating.</p> <p>VOC Emission Rate = All surface coating operations on a property, when uncontrolled, emit a combined weight of less than 3 lb/hr and less than 15 lb/24-hr period.</p>	
GRPSTORVNT	40 CFR Part 60, Subpart DDD	60DDD-CVU1	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).</p> <p>Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p>	
PROHPMR	40 CFR Part 60, Subpart DDD	60DDD	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = On or before September 30, 1987.</p>	
PROHPPFL1	40 CFR Part 60, Subpart DDD	60DDD	<p>Manufactured Product = Polypropylene or polyethylene.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPFL2	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPFL3	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPRL1	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPRL2	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPRL3	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPSL1	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPSL2	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPPSL3	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROHPRMP	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
PROLPMR	40 CFR Part 60, Subpart DDD	60DDD-CVCF	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).</p> <p>Continuous Control Device = Flare.</p> <p>Annual Emissions Entering the Control Device = Annual emissions entering the control device are greater than or equal to the calculated threshold emissions levels calculated in Table 3.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p> <p>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less.</p>	
PROLPMR	40 CFR Part 60, Subpart DDD	60DDD-IVCF	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.</p> <p>Existing Control Device = The vent stream is controlled in an existing control device (as defined in 40 CFR '60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.</p> <p>Intermittent Control Device = Flare.</p>	
PROLPPF4AB	40 CFR Part 60, Subpart DDD	60DDD-CVCF	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561).</p> <p>Continuous Control Device = Flare.</p> <p>Annual Emissions Entering the Control Device = Annual emissions entering the control device are greater than or equal to the calculated threshold emissions levels calculated in Table 3.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p> <p>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less.</p>	
PROLPPF4AB	40 CFR Part 60, Subpart DDD	60DDD-CVU1	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p>	
PROLPPF4AB	40 CFR Part 60, Subpart DDD	60DDD-CVU2	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Table 3 Control Requirements = Calculations from Table 3 do not require controls.	
PROLPPF5	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROLPPF6	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROLPPS4AB	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROLPPS5	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROLPPS6	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROLPRMP	40 CFR Part 60, Subpart DDD	60DDD-CVCF	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989. Experimental Process Line = The affected facility is a production process line. Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date. Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced. Process Emissions = Individual vent gas streams emit continuous emissions. Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater. Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater. Control of Continuous Emissions = All continuous emissions are controlled in an existing control device (as defined in 40 CFR § 60.561). Continuous Control Device = Flare.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Annual Emissions Entering the Control Device = Annual emissions entering the control device are greater than or equal to the calculated threshold emissions levels calculated in Table 3.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p> <p>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less.</p>	
PROLPRMP	40 CFR Part 60, Subpart DDD	60DDD-IVCF	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Modified after Applicability Date = The affected facility has been modified or reconstructed after its applicability date.</p> <p>Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.</p> <p>Existing Control Device = The vent stream is controlled in an existing control device (as defined in 40 CFR '60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.</p> <p>Intermittent Control Device = Flare.</p>	<p>-- Affected Pollutant - VOC/TOC:</p> <p><u>Related Standard</u> – [G]§ 60.562-1(a)(2)(i), §60.562-1(d) and § 60.562-1(e) were added as applicable requirements.</p> <p><u>Monitoring/Testing</u> – [G]§ 60.563(a), § 60.563(b), § 60.563(b)(2)(ii), § 60.563(c), § 60.563(d)(1), §60.563(d)(2), § 60.564(a), § 60.564(a)(1), §60.564(a)(3) and [G]§ 60.564(e) were added as applicable requirements.</p> <p><u>Recordkeeping</u> - [G]§ 60.563(a), § 60.563(d)(1), §60.565(a), [G]§ 60.565(a)(5), [G]§ 60.565(b)(2), [G]§ 60.565(e), [G]§ 60.565(g) and § 60.565(j) were added as applicable requirements.</p> <p><u>Reporting</u> - § 60.565(1), § 60.565(a), [G]§60.565(a)(5), § 60.565(b)(1), § 60.565(i), §60.565(j), § 60.565(k), § 60.565(k)(2) and §60.565(k)(4) were added as applicable requirements.</p>
PROLPRMP	40 CFR Part 60, Subpart DDD	60DDD-IVU	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Table 2 Threshold Emission Rates = The uncontrolled emission rate is less than or equal to the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560.</p> <p>Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p>	
PROLPRX44	40 CFR Part 60, Subpart DDD	60DDD	<p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Construction/Modification Date = On or before September 30, 1987.	
PROLPRX45	40 CFR Part 60, Subpart DDD	60DDD	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = On or before September 30, 1987.	
PROLPRX60	40 CFR Part 60, Subpart DDD	60DDD-EV	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989. Experimental Process Line = The affected facility is a production process line. Table 2 Threshold Emission Rates = The uncontrolled emission rate is less than or equal to the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced. Process Emissions = Individual vent gas streams emit intermittent emissions. Emergency Vent = Emissions are an emergency vent stream from a new, modified, or reconstructed facility.	
PROLPRX60	40 CFR Part 60, Subpart DDD	60DDD-IVCF	Manufactured Product = Polypropylene or polyethylene. Continuous Process = The affected facility process is continuous. Construction/Modification Date = After September 30, 1987 and on or before January 10, 1989. Experimental Process Line = The affected facility is a production process line. Table 2 Threshold Emission Rates = The uncontrolled emission rate is greater than the uncontrolled threshold emission rates in Table 2 of 40 CFR § 60.560. Polyolefin Production = Only one polyolefin is produced, or no polyolefin is produced. Process Emissions = Individual vent gas streams emit intermittent emissions. Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility. Existing Control Device = The vent stream is controlled in an existing control device (as defined in 40 CFR ' 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations. Intermittent Control Device = Flare.	-- Affected Pollutant - VOC/TOC: <u>Related Standard</u> - [G]§ 60.562-1(a)(2)(i), §60.562-1(d) and §60.562-1(e) were added as applicable requirements. <u>Monitoring/Testing</u> - [G]§ 60.563(a), § 60.563(b), § 60.563(b)(2)(ii), § 60.563(c), § 60.563(d)(1), §60.563(d)(2), § 60.564(a), § 60.564(a)(1), §60.564(a)(3) and [G]§ 60.564(e) were added as applicable requirements. Recordkeeping - [G]§ 60.563(a), § 60.563(d)(1), §60.565(a), [G]§ 60.565(a)(5), [G]§ 60.565(b)(2), [G]§ 60.565(e), [G]§ 60.565(g) and § 60.565(j) were added as applicable requirements. Reporting - § 60.565(a), [G]§ 60.565(a)(5), §60.565(b)(1), § 60.565(i), § 60.565(j), §60.565(k), § 60.565(k)(2), § 60.565(k)(4) and § 60.565(l) were added as applicable requirements.
07CMNHP	40 CFR Part 63, Subpart FFFF	63FFFF-2	Designated Grp1 = The emission stream is designated as Group 1. Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c. Designated HAL = The emission stream is not designated as halogenated. Determined HAL = The emission stream is determined not to be halogenated.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Prior Eval = Data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>	
07MCPU	40 CFR Part 63, Subpart FFFF	63FFFF-5	<p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2003 = The affected source startup was on or after November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was on or after April 4, 2002.</p> <p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source includes batch process vents.</p>	
PROLDPE	40 CFR Part 63, Subpart FFFF	63FFFF-6	<p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Cont Proc = The MCPU process is continuous.</p> <p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source does not include batch process vents.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c.</p>	

* - The "unit attributes" or operating conditions that determine what requirements apply

** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit (FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOPs are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. In addition, many of the permits are

accessible online through the link provided below. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

New Source Review Authorization References

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1464	Issuance Date: 07/31/2020
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits by Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 115295	Issuance Date: 10/08/2021
Authorization No.: 6860	Issuance Date: 07/31/2020
Authorization No.: 8758	Issuance Date: 05/15/2020
Permits by Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 03/14/1997
Number: 106.227	Version No./Date: 03/14/1997
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 03/14/1997
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.451	Version No./Date: 03/14/1997
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000

New Source Review Authorization References

Number: 5	Version No./Date: 05/04/1994
Number: 8	Version No./Date: 01/08/1980
Number: 15	Version No./Date: 09/17/1973
Number: 49	Version No./Date: 03/15/1985
Number: 51	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 08/30/1988
Number: 51	Version No./Date: 07/20/1992
Number: 51	Version No./Date: 05/04/1994
Number: 57	Version No./Date: 01/08/1980
Number: 83	Version No./Date: 03/15/1985
Number: 106	Version No./Date: 05/04/1994
Number: 118	Version No./Date: 06/07/1996

Permits by Rule

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the “as applicable” language. The “as applicable” language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The permit holder is required to keep records for demonstrating compliance with PBRs in accordance with 30 TAC § 106.8 for the following categories:

- As stated in 30 TAC § 106.8(a), the permit holder is not required to keep records for de minimis sources as designated in 30 TAC § 116.119.
- As stated in 30 TAC § 106.8(b) for PBRs on the insignificant activities list, the permit holder is required to provide information that would demonstrate compliance with the general requirements of 30 TAC § 106.4.
- As stated in 30 TAC § 106.8(c) for all other PBRs, the permit holder must maintain sufficient records to demonstrate compliance with the general requirements specified in 30 TAC § 106.4 and to demonstrate compliance with the emission limits and any specific conditions of the PBR as applicable.

The application, or a previously submitted application, contains a PBR Supplemental Table. This table provides supplemental information for all PBR authorizations at the site or application area, including PBRs that are not listed on the OP-REQ1 form. PBRs that are not listed on the OP-REQ1 form authorize emission units that the TCEQ has determined are insignificant sources of emissions (IEUs). PBRs are enforceable through permit condition number 15. The EPA gives States broad discretion in prescribing monitoring, recordkeeping, and reporting for generally applicable

requirements that cover insignificant emission units. (see EPA *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*). Federal regulations specifically identify recordkeeping as an appropriate level of monitoring necessary to assure compliance with the requirements applicable to an emissions unit. Permitting authorities have the best sense of where it is appropriate to conclude that periodic monitoring is not necessary for IEUs, when state program rules already provide sufficient monitoring for these units.

In the case of IEUs in particular, the recordkeeping in 30 TAC §106.8 is sufficient because the units do not have the potential to violate emission limitations or other requirements under normal operating conditions. In particular, where the establishment of a regular program of monitoring would not significantly enhance the ability of the permit to assure compliance with the applicable requirement, the permitting authority can provide that the applicable requirement has monitoring sufficient to yield reliable data that is representative of the emission unit's compliance with the limitations. Therefore, for IEUs compliance with 30 TAC §106.8 is sufficient to meet federal monitoring requirements.

The PBR records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, or parametric monitoring. The PBR records also satisfy the federal operating permit periodic monitoring requirements of 30 TAC § 122.142(c) as they are representative of the emission unit's compliance with 30 TAC Chapter 106.

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Compliance Assurance Monitoring (CAM):

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;
2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and
3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

Unit/Group/Process Information	
ID No.: 07CMNHP	
Control Device ID No.: 07FLR*002	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-10
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: Loss of all pilots on flare.	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: 07CMNLP	
Control Device ID No.: 07FLR*001	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-8
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: Loss of all pilots on flare.	
<p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p>	

Unit/Group/Process Information	
ID No.: 07CMNLP	
Control Device ID No.: GRPFTO	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-9
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Temperature less than 1300 degrees Fahrenheit when gas is directed to the control device.	
<p>Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.</p>	

Unit/Group/Process Information	
ID No.: 701V	
Control Device ID No.: 701	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-8
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: Loss of all pilots on flare.	
<p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p>	

Unit/Group/Process Information	
ID No.: 721V	
Control Device ID No.: 721	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-8
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: Loss of all pilots on flare	
<p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p>	

Unit/Group/Process Information	
ID No.: 858V	
Control Device ID No.: 858	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-8
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot flame	
Minimum Frequency: Continuous	
Averaging Period: N/A	
Deviation Limit: Loss of all pilots on flare	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: 612-D4749	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-0081
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Indication of a leak in CVS components	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Failure to repair leaks as required	
<p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p>	

Unit/Group/Process Information	
ID No.: 612-D4758	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-0081
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Indication of a leak in CVS components	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Failure to repair leaks as required	
<p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p>	

Unit/Group/Process Information	
ID No.: 612-F706	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-0010
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Must repair fill pipe prior to any filling operation	
<p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p>	

Unit/Group/Process Information	
ID No.: 612-F706	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-0010
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Liquid Level	
Minimum Frequency: At the end of each unloading operation	
Averaging Period: n/a	
Deviation Limit: Fill pipe must be submerged at all times	
<p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p>	

Unit/Group/Process Information	
ID No.: DEGR4	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-001
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of §115.412(1)(A) - (F) shall be considered and reported as a deviation.	
<p>Basis of monitoring:</p> <p>The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.</p>	

Unit/Group/Process Information	
ID No.: DEGR6	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-003
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of §115.412(1)(A) - (F) shall be considered and reported as a deviation.	
<p>Basis of monitoring:</p> <p>The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.</p>	

Unit/Group/Process Information	
ID No.: GRPFTO	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-002
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may either report a deviation or perform Test Method 9 and opacity shall not exceed 15%.	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Obtaining Permit Documents

The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (<https://www.tceq.texas.gov/goto/cfr-online>). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Historical Standard Exemption lists may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Additional information concerning PBRs is available on the TCEQ website:

https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html

Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on **November 15, 2021.**

Site rating: 0.61 / Satisfactory Company rating: 2.71 / Satisfactory

(High < 0.10; Satisfactory ≥ 0.10 and ≤ 55; Unsatisfactory > 55)

2. Has the permit changed on the basis of the compliance history or site/company rating?No

Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS?No

2. Is a compliance plan and schedule included in the permit?No

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes

OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes

OP-UA3 - Storage Tank/Vessel Attributes

OP-UA4 - Loading/Unloading Operations Attributes

OP-UA5 - Process Heater/Furnace Attributes

OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes

OP-UA7 - Flare Attributes

OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes

OP-UA11 - Stationary Turbine Attributes

OP-UA12 - Fugitive Emission Unit Attributes

OP-UA13 - Industrial Process Cooling Tower Attributes

OP-UA14 - Water Separator Attributes

OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes

OP-UA16 - Solvent Degreasing Machine Attributes

OP-UA17 - Distillation Unit Attributes

OP-UA18 - Surface Coating Operations Attributes

OP-UA19 - Wastewater Unit Attributes

OP-UA20 - Asphalt Operations Attributes

OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/De-painting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes
OP-UA64 - Coal Preparation Plant Attributes